

ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18
Stylesheet Version v18.0

Title of Invention	NEAR CHIP SIZE SEMICONDUCTOR PACKAGE																																																																						
<div>Application Number: 10/662248</div> <div>Confirmation Number: 2413</div> <div>First Named Applicant: Sean Crowley</div> <div>Attorney Docket Number: AMKOR036C</div> <div>Art Unit: 2811</div> <div>Search string: (2596993 or 3435815 or 3734660 or 3838984 or 4054238 or 4189342 or 4258381 or 4289922 or 4301464 or 4332537 or 4417266 or 4451224 or 4530152 or 4541003 or 4646710 or 4707724 or 4727633 or 4737839 or 4756080 or 4812896 or 4862245 or 4862246 or 4907067 or 4920074 or 4935803 or 4942454 or 4987475 or 5018003 or 5029386 or 5041902 or 5057900 or 5059379 or 5065223 or 5070039 or 5087961 or 5091341 or 5096852 or 5118298 or 5151039 or 5157475 or 5157480 or 5168368 or 5172213 or 5172214 or 5175060 or 5200362 or 5200809 or 5214845 or 5216278 or 5218231 or 20010008305 or 20010014538 or 20010011654 or 20020024122 or 20020027297 or 20020140061 or 20020140068 or 20020163015 or 20030030131 or 20030073265).pn.</div> <div>US Patent Documents</div> <div>Note: Applicant is not required to submit a paper copy of cited US Patent Documents</div> <table border="1"><thead><tr><th>init</th><th>Cite.No.</th><th>Patent No.</th><th>Date</th><th>Patentee</th><th>Kind</th><th>Class</th><th>Subclass</th></tr></thead><tbody><tr><td>TL</td><td>1</td><td>2596993</td><td>1952-05-20</td><td>S.L. GOOKIN</td><td></td><td></td><td></td></tr><tr><td></td><td>2</td><td>3435815</td><td>1969-04-01</td><td>FORCIER</td><td></td><td></td><td></td></tr><tr><td></td><td>3</td><td>3734660</td><td>1973-05-22</td><td>DAVIES ET AL.</td><td></td><td></td><td></td></tr><tr><td></td><td>4</td><td>3838984</td><td>1974-10-01</td><td>CRANE ET AL.</td><td></td><td></td><td></td></tr><tr><td></td><td>5</td><td>4054238</td><td>1977-10-18</td><td>LLOYD ET AL.</td><td></td><td></td><td></td></tr><tr><td></td><td>6</td><td>4189342</td><td>1980-02-19</td><td>KOCK</td><td></td><td></td><td></td></tr><tr><td>TL</td><td>7</td><td>4258381</td><td>1981-03-24</td><td>INABA</td><td></td><td></td><td></td></tr></tbody></table>								init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass	TL	1	2596993	1952-05-20	S.L. GOOKIN					2	3435815	1969-04-01	FORCIER					3	3734660	1973-05-22	DAVIES ET AL.					4	3838984	1974-10-01	CRANE ET AL.					5	4054238	1977-10-18	LLOYD ET AL.					6	4189342	1980-02-19	KOCK				TL	7	4258381	1981-03-24	INABA			
init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass																																																																
TL	1	2596993	1952-05-20	S.L. GOOKIN																																																																			
	2	3435815	1969-04-01	FORCIER																																																																			
	3	3734660	1973-05-22	DAVIES ET AL.																																																																			
	4	3838984	1974-10-01	CRANE ET AL.																																																																			
	5	4054238	1977-10-18	LLOYD ET AL.																																																																			
	6	4189342	1980-02-19	KOCK																																																																			
TL	7	4258381	1981-03-24	INABA																																																																			

7	8	4289922	1981-09-15	DEVLIN
	9	4301464	1981-11-17	OTSUKI ET AL.
	10	4332537	1982-06-01	SLEPCEVIC
	11	4417266	1983-11-22	GRABBE
	12	4451224	1984-05-29	HARDING
	13	4530152	1985-07-23	ROCHE ET AL.
	14	4541003	1985-09-10	OTSUKA ET AL.
	15	4646710	1987-04-03	SCHMID ET AL.
	16	4707724	1987-11-17	SUZUKI ET AL.
	17	4727633	1988-03-01	HERRICK
	18	4737839	1988-04-12	BURT
	19	4756080	1988-07-12	THORP, JR. ET AL.
	20	4812896	1989-03-14	ROTHGERY ET AL.
	21	4862245	1989-08-29	PASHBY ET AL.
	22	4862246	1989-08-29	MASUDA ET AL.
	23	4907067	1990-03-06	DERRYBERRY
	24	4920074	1990-04-24	SHIMIZU ET AL.
	25	4935803	1990-06-19	KALFUS ET AL.
	26	4942454	1990-07-17	MORI ET AL.
	27	4987475	1991-01-22	SCHLESINGER ET AL.
	28	5018003	1991-05-21	YASUNAGA ET AL.
	29	5029386	1991-07-09	CHAO ET AL.
	30	5041902	1991-08-20	MCSHANE
	31	5057900	1991-10-15	YAMAZAKI
	32	5059379	1991-10-22	TSUTSUMI ET AL.
	33	5065223	1991-11-12	MATSUKI ET AL.
	34	5070039	1991-12-03	JOHNSON ET AL.
	35	5087961	1992-02-11	LONG ET AL.
	36	5091341	1992-02-25	ASADA ET AL.
	37	5096852	1992-03-17	HOBSON
	38	5118298	1992-06-02	MURPHY
	39	5151039	1992-09-29	MURPHY
	40	5157475	1992-10-20	YAMAGUCHI
	41	5157480	1992-10-20	MCSHANE ET AL.
	42	5168368	1992-12-01	GOW, 3RD ET AL.
7	43	5172213	1992-12-15	ZIMMERMAN


TL	44	5172214	1992-12-15	CASTO
	45	5175060	1992-12-29	ENOMOTO ET AL.
	46	5200362	1993-04-06	LIN ET AL.
	47	5200809	1993-04-06	KWON
	48	5214845	1993-06-01	KING ET AL.
	49	5216278	1993-06-01	LIN ET AL.
TL	50	5218231	1993-06-08	KUDO

US Published Applications

Note: Applicant is not required to submit a paper copy of cited US Published Applications

init	Cite.No.	Pub. No.	Date	Applicant	Kind	Class	Subclass
TL	1	20010008305	2001-07-19	MCLELLAN ET AL.			
	2	20010014538	2001-08-16	KWAN ET AL.			
	3	20010011654	2002-01-31	KIMURA			
	4	20020024122	2002-02-28	JUNG ET AL.			
	5	20020027297	2002-03-07	IKENAGA ET AL.			
	6	20020140061	2002-10-03	LEE			
	7	20020140068	2002-10-03	LEE ET AL.			
	8	20020163015	2002-11-07	LEE ET AL.			
	9	20030030131	2003-02-13	LEE ET AL.			
TL	10	20030073265	2003-04-17	HU ET AL.			

Signature

Examiner Name	Date
	10/06/04



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/662,248
				Filing Date	09/15/2003
				First Named Inventor	Sean T. Crowley
				Art Unit	2811
				Examiner Name	Unknown
Sheet	1	of	1	Attorney Docket Number	AMKOR-036C

[illegible]

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Country Code 3 -Number4 -Kind Code 5 (if known)				
TL		4098864	09-1992	JAPAN		
		EP0459493	12/04/1991	EU PAT. OFFICE		
		3177060	08/01/1991	JAPAN		
		EP0393997	10/24/1990	EU PAT. OFFICE		
		1251747	10/06/1989	JAPAN		
		1205544	08/1989	JAPAN		
		1175250	07/11/1989	JAPAN		
		1106456	04/24/1989	JAPAN		
TL		64054749	03/02/1989	JAPAN		
		63316470	12/23/1988	JAPAN		

Examiner Signature		Date Considered	10/06/04
-----------------------	---	--------------------	----------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

compliance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.**

Order the Paper
Control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 1

Complete if Known

Application Number	10/662,248
Filing Date	09/15/2003
First Named Inventor	Sean T. Crowley
Art Unit	2811
Examiner Name	Unknown
Attorney Docket Number	AMKOR-036C

U.S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. 1	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Country Code 3	-Number ⁴ -Kind Code ⁵ (if known)				
T			63249345	10/17/1988	JAPAN		
			63233555	09/29/1988	JAPAN		
			63205935	08/25/1988	JAPAN		
			63067762	03/26/1988	JAPAN		
			629639	01/17/1987	JAPAN		
			6139555	02/25/1986	JAPAN		
			60231349	11/16/1985	JAPAN		
			60195957	10/04/1985	JAPAN		
T			60116239	08/06/1985	JAPAN		
			60010756	01/19/1985	JAPAN		

**Examiner
Signature**

Date Considered

10/06/04

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

compliance and not considered. Include copy of this form with next communication to applicant.
 1 Applicant's unique citation designation number (optional). 2 See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 18 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.**

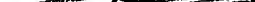


Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/662,248
				Filing Date	09/15/2003
				First Named Inventor	Sean T. Crowley
				Art Unit	2811
				Examiner Name	Unknown
				Attorney Docket Number	AMKOR-036C
Sheet	1	of	1		

[illegible]

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ²
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
R		59227143	12/20/1984	JAPAN		
I		59208756	11/27/1984	JAPAN		
		EP5950939	03/19/1984	EU PAT. OFFICE		
		58160095	08/31/1983	JAPAN		
		5745959	03/16/1982	JAPAN		
		55163868	12/20/1980	JAPAN		
		EP5421117	06/08/1979	EU PAT. OFFICE		
R						

Examiner Signature		Date Considered	10/06/04
-----------------------	---	--------------------	----------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

compliance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.**

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/662,248
				Filing Date	09/15/2003
				First Named Inventor	Sean T. Crowley
				Art Unit	2811
				Examiner Name	Unknown
				Attorney Docket Number	AMKOR-036C
Sheet	1	of	1		

[illegible]

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T8
		Country Code3 -Number4 -Kind Code5 (if known)				
R		200204397	08/02/2002	JAPAN		
		0049944	06/26/2002	KOREA		
		2001060648	03/06/2001	JAPAN		
		556398	10/29/2000	JAPAN		
		EP1032037	08/30/2000	EU PAT. OFFICE		
		00150765	05/30/2000	JAPAN		
		EP098968	03/29/2000	EU PAT. OFFICE		
		9967821	12/29/1999	PCT		
		9956316	11/04/1999	PCT		
		EP0936671	08/18/1999	EU PAT. OFFICE		

Examiner Signature		Date Considered	10/04/16
-----------------------	---	--------------------	----------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:** Assistant Commissioner for Patents, Washington, DC 20231.



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.**




Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	10/662,248
				Filing Date	09/15/2003
				First Named Inventor	Sean T. Crowley
				Art Unit	2811
				Examiner Name	Unknown
				Attorney Docket Number	AMKOR-036C
Sheet	1	of	1		

[illegible]

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. 1	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ²
		Country Code 3 -Number ⁴ -Kind Code ⁵ (if known)				
T		59227143	12/20/1984	JAPAN		
		59208756	11/27/1984	JAPAN		
		EP5950939	03/19/1984	EU PAT. OFFICE		
		58160095	08/31/1983	JAPAN		
		5745959	03/16/1982	JAPAN		
		55163868	12/20/1980	JAPAN		
		EP5421117	06/08/1979	EU PAT. OFFICE		
T						

Examiner Signature		Date Considered	2/06/14
-----------------------	---	--------------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). ²See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.**